ΓM	i	Ε̈́Μ	ĽΨ	Ψ	IS	- -	Æ		Į.	Į.	Į.	딛	듼	X.			
ASSUCTION DONZIONIN	DGGAYQNVLM	DGGAYQNVLM	EGKAYESVLM	DGKAFGSV	IKAAYLST		helix A		RAARKLRQI	RAARKLKQFL	RASRKLRQFL	RAARKLKQFL	RAARKLRQFL	PTAGCASLAK	1		
	ASSDCDFSGK	ASSDCDISGK	TSSECHIKDK	TSSDCHIKDK DGKAFGSVLM	DFTNCDFE.K IKAAYLSTIS	1			EFNFFKRHIC DANKEGMFLF RAARKLROFL	DDNKEASFLN	DDNKEASFLN	DDTKEAAFLN	DDTKEAAFLN	LTEIQSLTFN		helix B.	
アアレノレンレンアン	PPLILVLLPV	PPLILVLLPV	PPLILVLLPV	PPLILVLLPV	QLVGLVLT.Y			*	EFNFFKRHIC	EPNFFKKHSC DDNKEASFLN	EPNFFKKHSC DDNKEASFLN	EPNFFRKHVC	EPNFFKKHLC	TVSCSNRPHC	· · · · · · · · · · · · · · · · · · ·	strand 1	
· VOFFLIGE	.VSFRYIFGI	.VSFRYIFGI	.VSFRYIFGI	.VSFRYIFGI	SVSFRKIFIL			* *	KEIGSNCLNN	INFDSNCLNN	INFDSNCLNN	TGTDSNCPNN	TGTDSDCPNN	SGTKSTEFNN		0,1	
MEn.	MFH	MFH	MFH	MFH	MFPFALLYVL			*	VSIDQLLDSM	VSIDDL. DNM	VNIDDL. DNM	ISIDEL. DKM	ISINOT. DKM	KDLITYM	1 1 1 1		
11- / 1101110111	IL-7sheep	IL-7bovin	IL-7mouse	IL-7rat	ILB50human				IL-7human	IL-7sheep	IL-7bovin	IL-7mouse	IL-7rat	ILB50human			

FIG. 1A

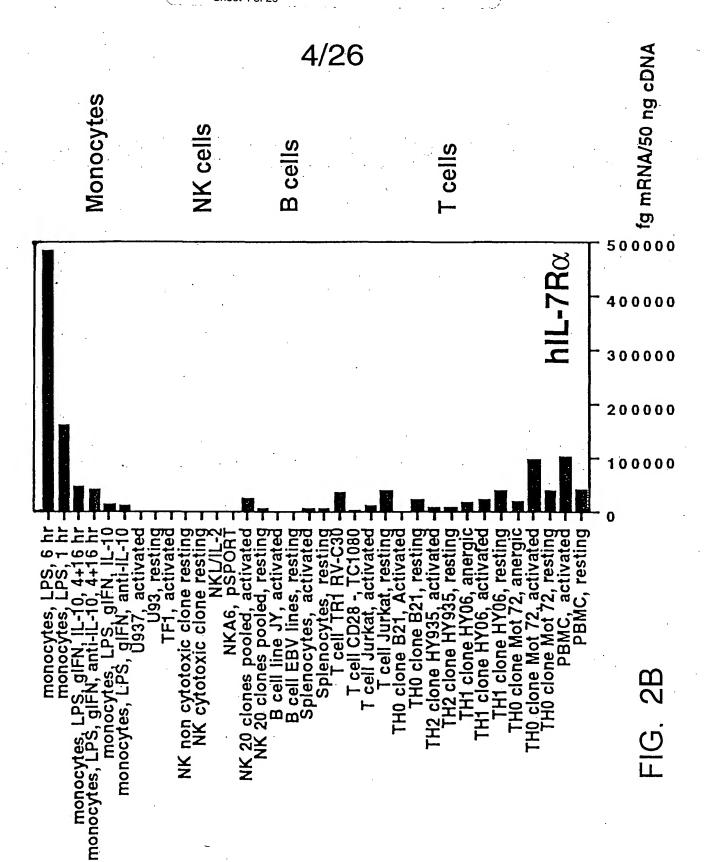
IL-7human KMNSTGDFDL HLLKVSEGTT ILLNCTGQVK GRKPPALGEA QPTKSLEENK IL-7sheep KMNISDDFKL HLSTVSQGTL TLLNCTSKGK GRKPPSLGEA QPTKNLEENK IL-7bovin KMNISDFKL HLSTVSQGTL TLLNCTSKGK GRKPPSLSEA QPTKNLEENK IL-7rat KMNISEEFNV HLLTVSQGTQ TLVNCTSK																	
KMNSTGDFDL HLLKVSEGTT KMNISDDFKL HLSTVSQGTL KMNISDDFKL HLSTVSQGTL KMNISEEFNV HLLTVSQGTQ KMNISEEFNV HLLTVSQGTQ EMFAMKTKAA LAIWCPGYSE		QPTKSLEENK OPTKNLEENK	OPTKNLEENK	EEK	EEK	MK			•			•					
KMNSTGDFKL HLSTVSQGTL KMNISDDFKL HLSTVSQGTL KMNISDDFKL HLSTVSQGTL KMNISEEFNV HLLTVSQGTQ KMNISEEFNV HLLTVSQGTQ EMFAMKTKAA LAIWCPGYSE		GRKPAALGEA GRKPPSI.GFA	GRKPPSLSEA		•	•					4 GTKEH		R GIKEH	K GSI	K GSI	L LKQQ.	
. * avaə+id	:	TLLNCTGQVK	TLLNCTSKGK	TLVNCTSK	TLVNCTSK	TOINATOA	•				IKTCWNKILN		IKTCWNKILE	IKTCWNKILE		GLWRRFNRPI	
. * avaə+id		HLLKVSEGTT HLSTVSOGTL	HLSTVSQGTL	HLLTVSQGTQ	HLLRVSDGTQ	LAIWCPGYSE	!!!!	\mathcal{O}			LCFLKRLLQE			ACFLKRLLRE		KCLEQVSQLQ	
. * avaə+id	•	KMNSTGDFDL KMNTSDDFKT			KMNISEEFND	EMFAMKTKAA .		helix		*	SLKEQKKLND	SLKEQRKQND	SSKEQKKQND	NVKEOKK.ND	TIKEQKK.ND	KRRKKKVTTN	
			IL-7bovin	IL-7mouse	IL-7rat	ILB50human				*	IL-7human	IL-7sheep	IL-7bovin	IL-7mouse	IL-7rat	ILB50human	

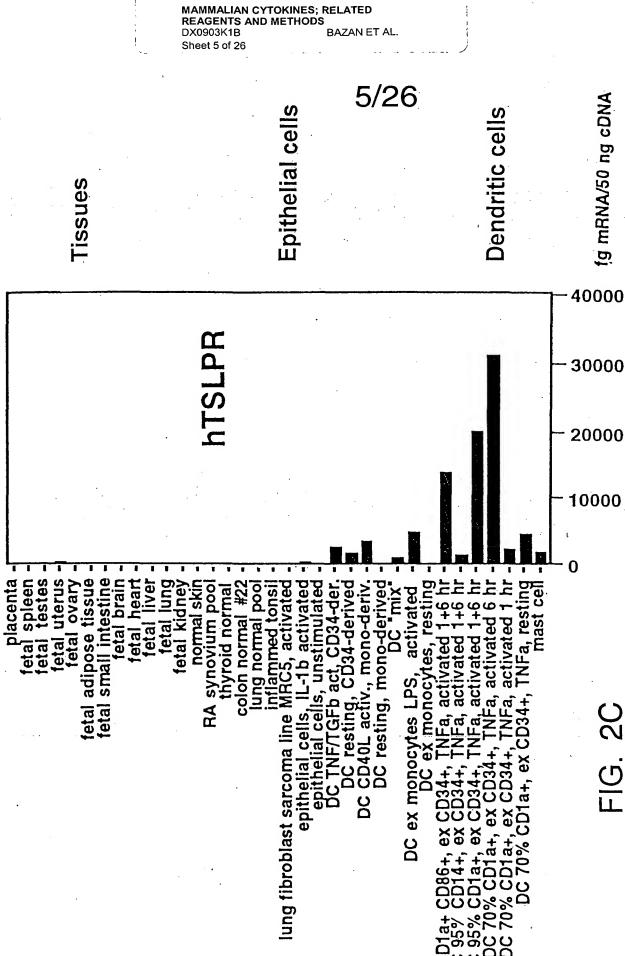
helix D

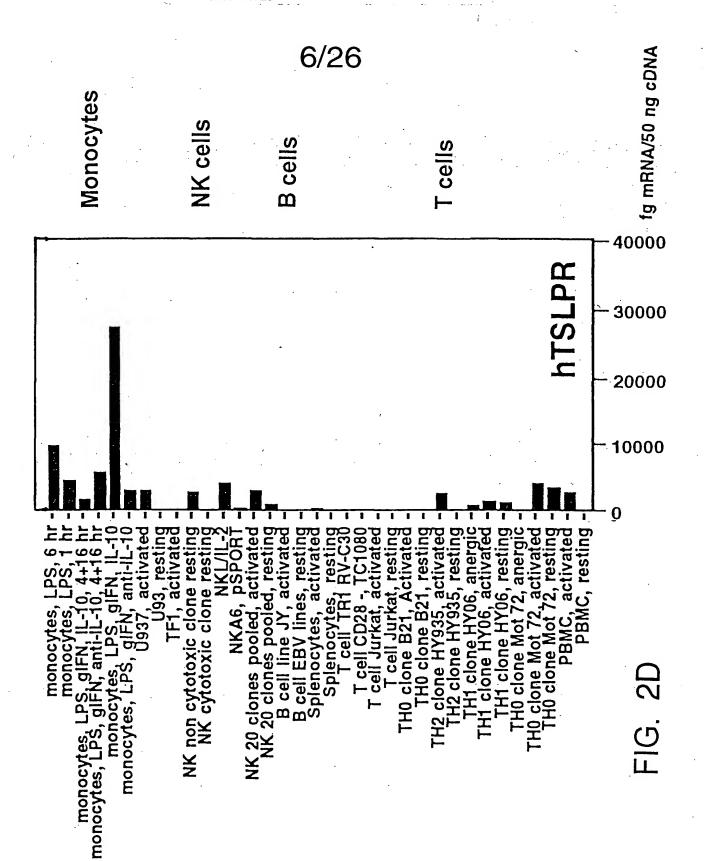
strand

MAMMALIAN CYTOKINES; RELATED REAGENTS AND METHODS DX0903K1B BAZAN ET AL. Sheet 3 of 26 3/26 fg mRNA/50 ng cDNA Epithelial cells Dendritic cells issues 500000 400000 300000 200000 100000 spieen testes fetal heart fetal liver uterus intestine fetal lung fetal kidney epithelial cells, unstimulated DC TNF/TGFb act, CD34-der. monocytes, resting IFa, activated 1+6 hr IFa activated 1+6 hr adipose tissue activated 1 hr placenta Jund CD40L activ., mono-deriv. DC resting, mono-derived DC mix -1b activated TNFa, resting mast cell ovary etal brain normal skin ung normal pool inflammed tonsii lung fibroblast sarcoma line MRC5, activated DC resting, CD34-derived RA synovium poo thyroid normal activated colon normal etal fetal eta] eta] smal ex monocytes LPS, fetal epithelial cells, 20 ည္ထ 000 000 000 000

MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B BAZAN ET AL.
Sheet 4 of 26







MAMMALIAN CYTOKINES; RELATED REAGENTS AND METHODS
DX0903K1B BAZAN ET AL.
Sheet 7 of 26

7/26

IL50 mRNA (fg/50ng)

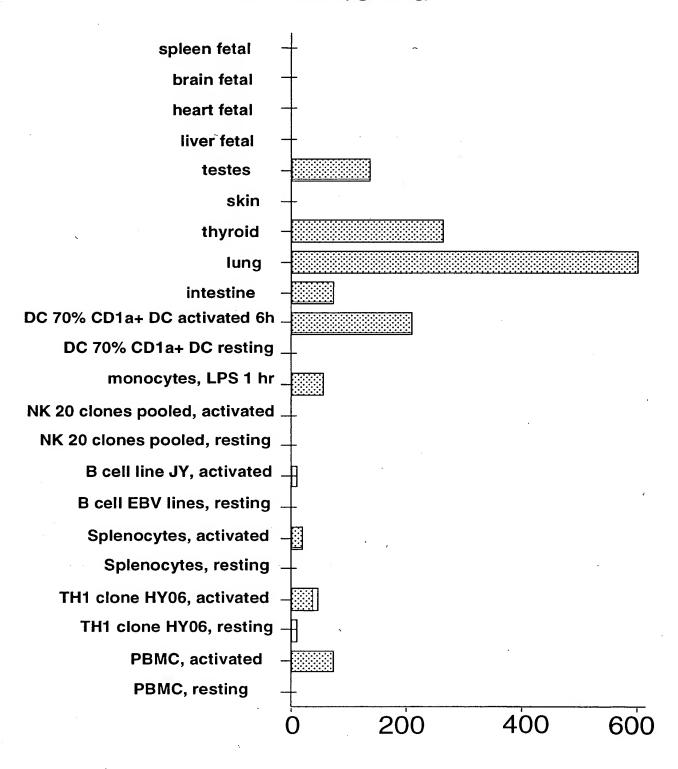


FIG. 2E

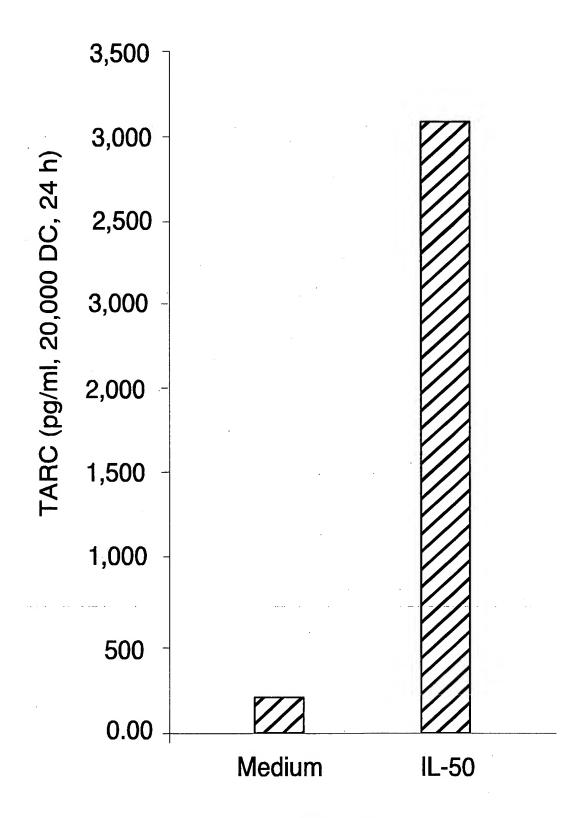


FIG. 3

MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B BAZAN ET AL
Sheet 9 of 26

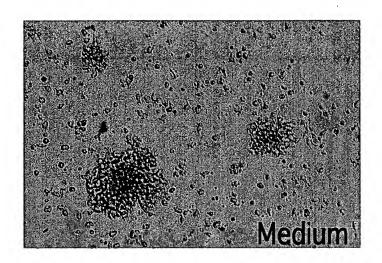


FIG. 4A

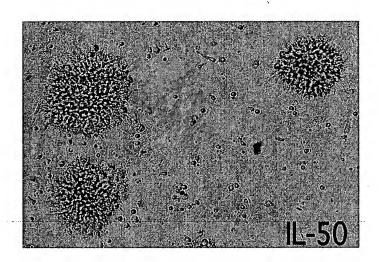


FIG. 4B

10/26

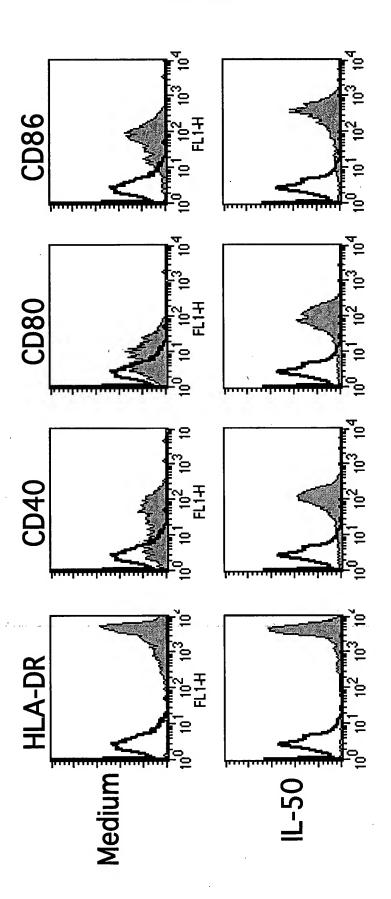
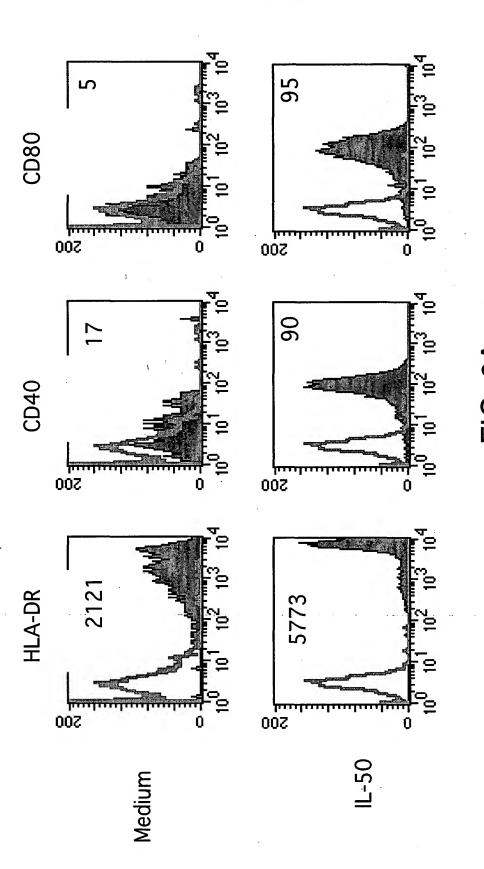
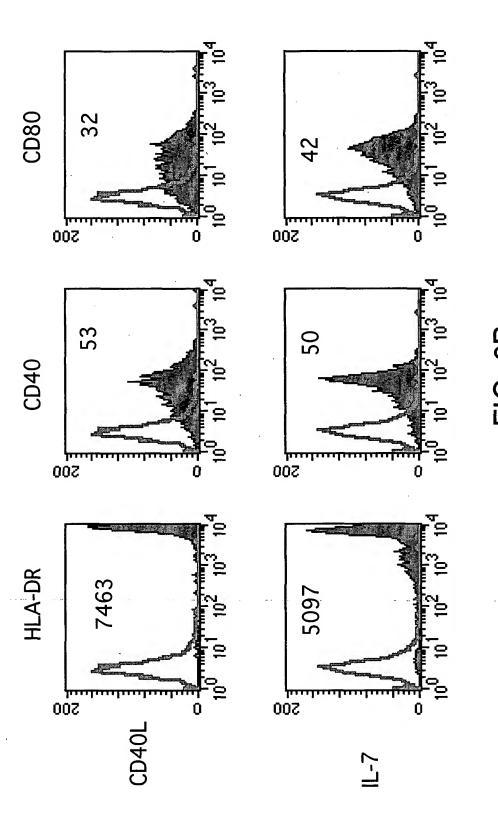


FIG. 5

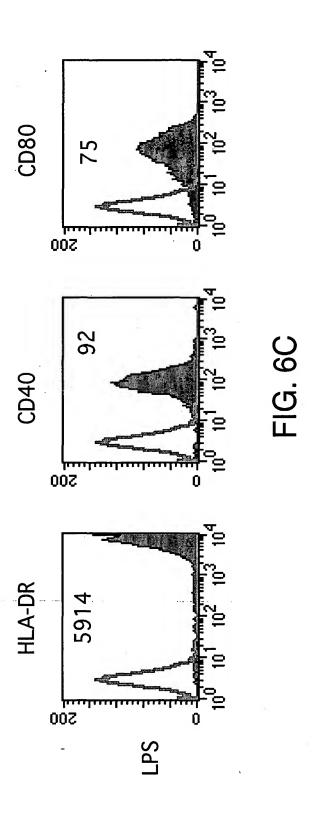
11/26



12/26

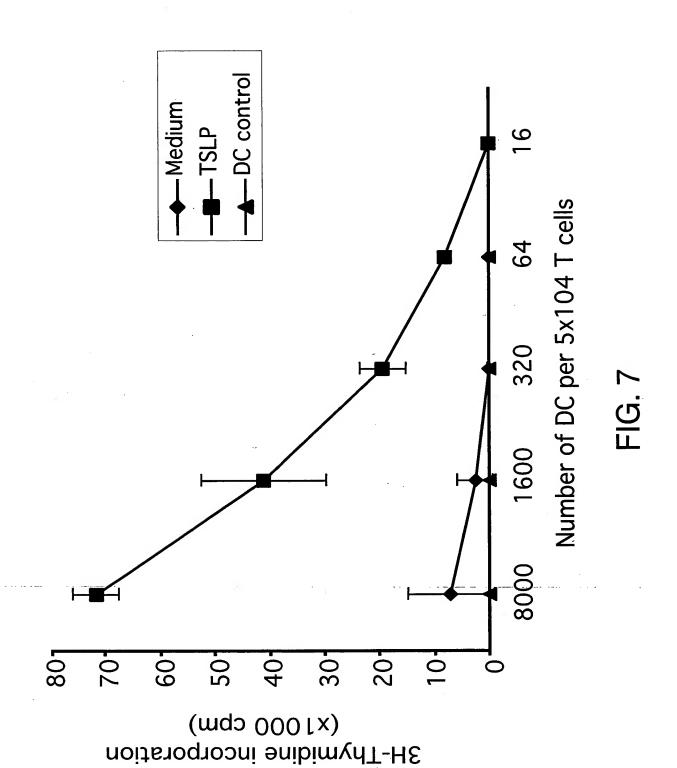


13/26



MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B BAZAN ET AL.
Sheet 14 of 26

14/26



MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B BAZAN ET AL.
Sheet 15 of 26

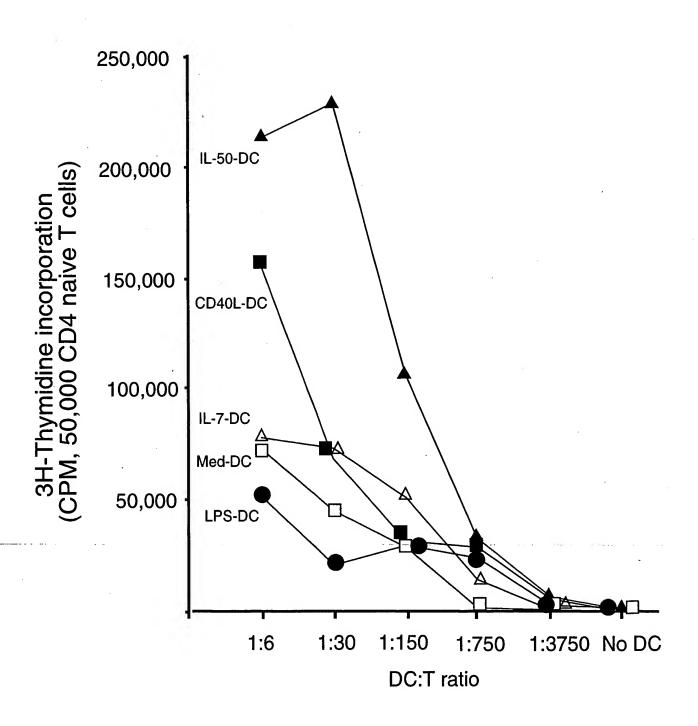
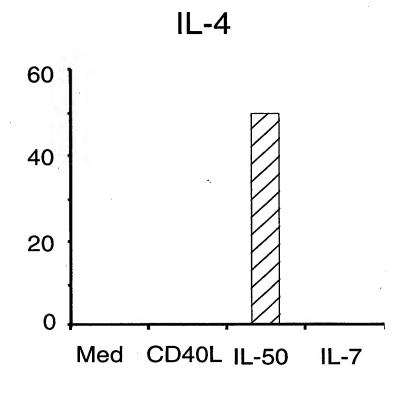


FIG. 8

MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B BAZAN ET AL.
Sheet 16 of 26



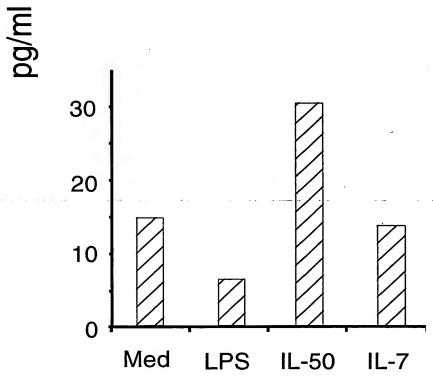


FIG. 9A

MAMMALIAN CYTOKINES; RELATED REAGENTS AND METHODS
DX0903K1B BAZAN ET AL.
Sheet 17 of 26



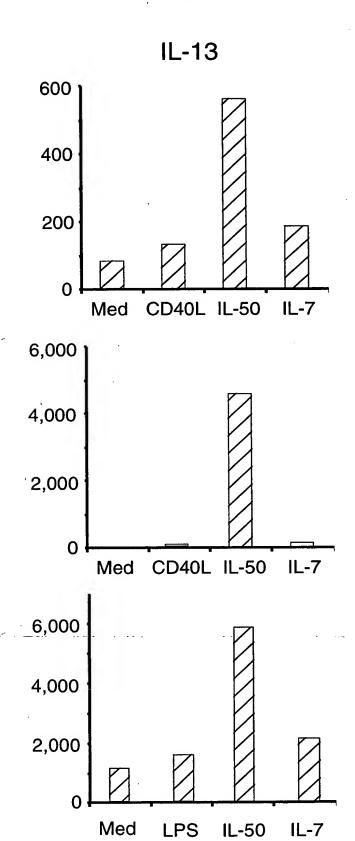
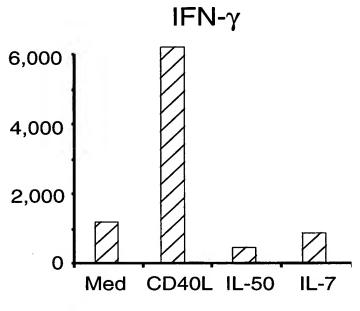
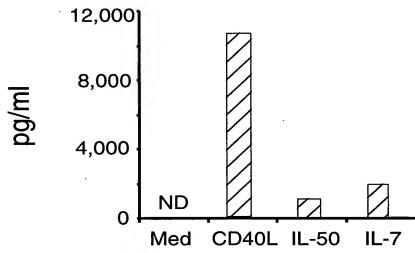


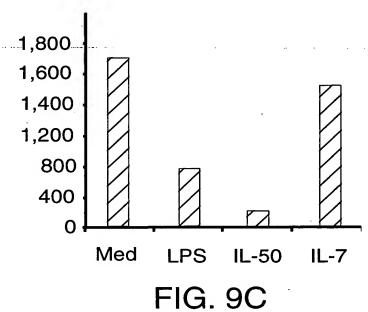
FIG. 9B

MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B
Sheet 18 of 26
BAZAN ET AL.



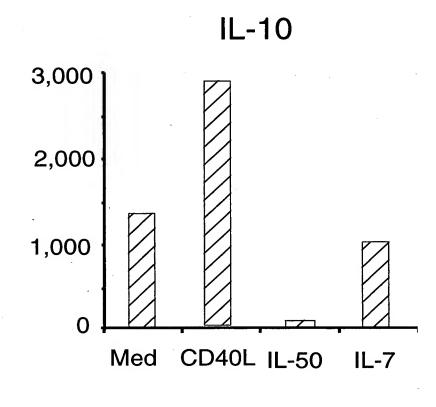






MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B
BAZAN ET AL
Sheet 19 of 26

19/26



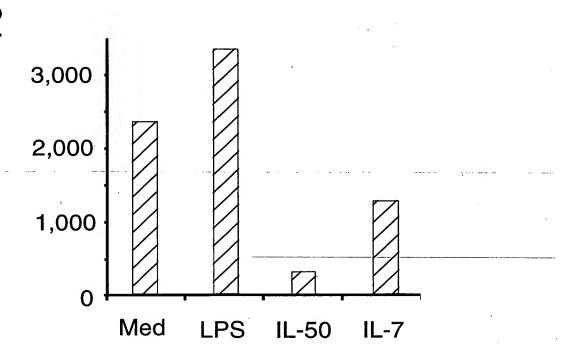
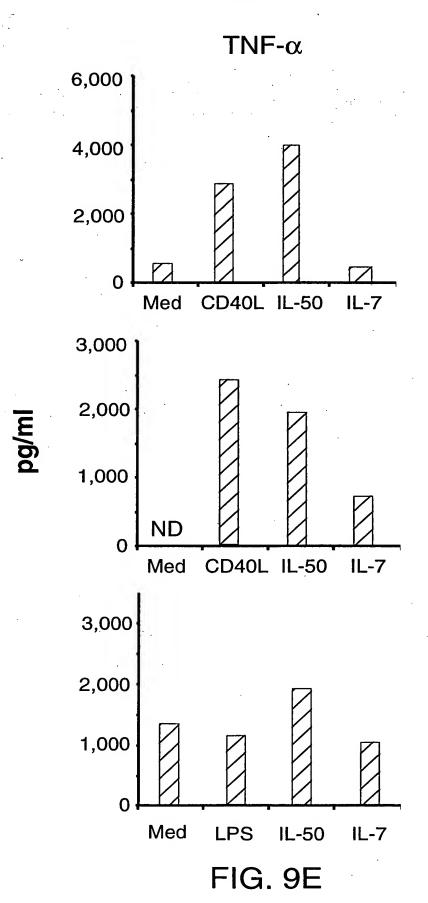


FIG. 9D

MAMMALIAN CYTOKINES; RELATED REAGENTS AND METHODS DX0903K1B BAZAN ET AL. Sheet 20 of 26





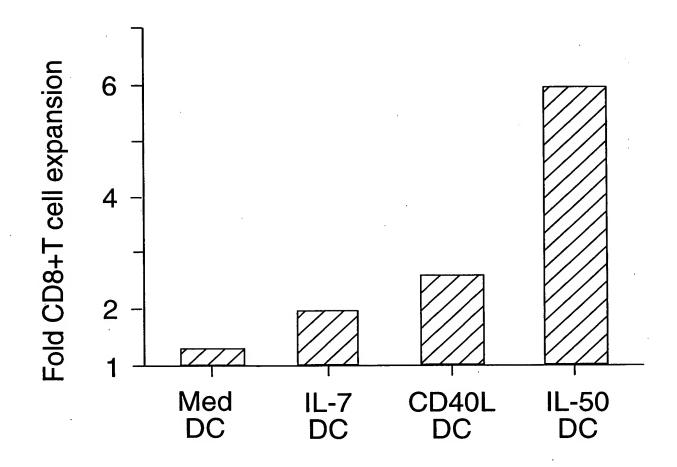


FIG. 10

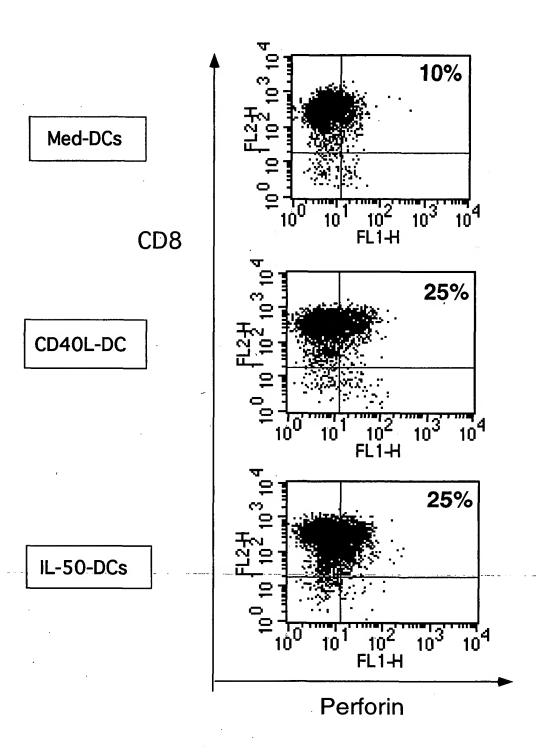
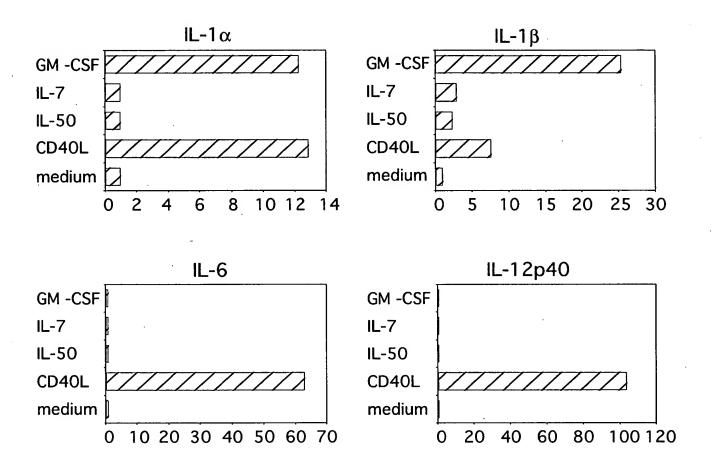


FIG. 11



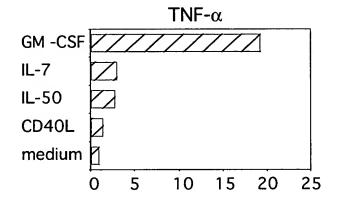
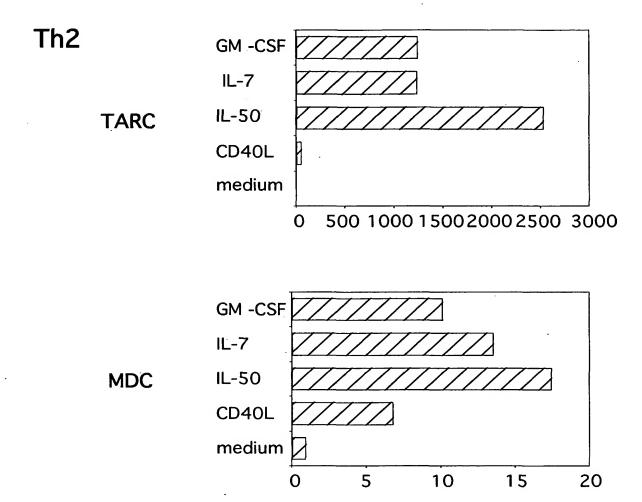


FIG.12A

MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B
BAZAN ET AL.
Sheet 24 of 26.

24/26



DC+Naive

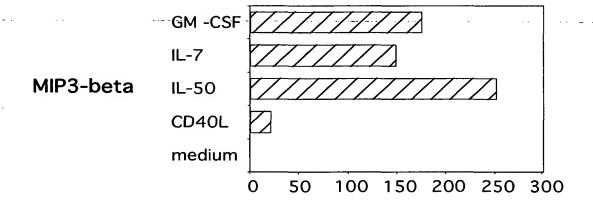
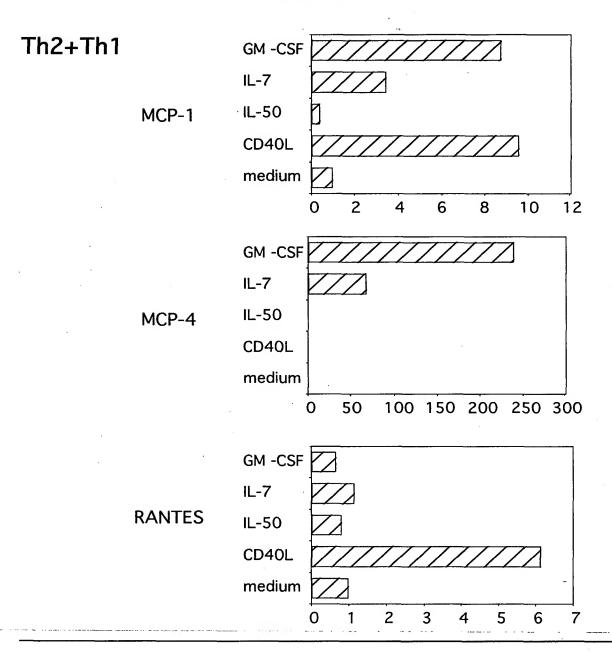


FIG. 12B

MAMMALIAN CYTOKINES; RELATED
REAGENTS AND METHODS
DX0903K1B
BAZAN ET AL.
Sheet 25 of 26



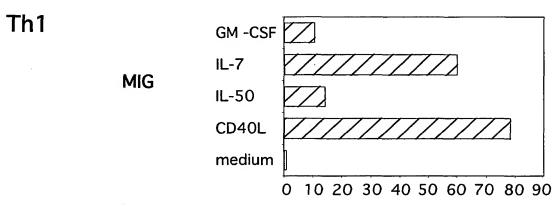


FIG. 12C

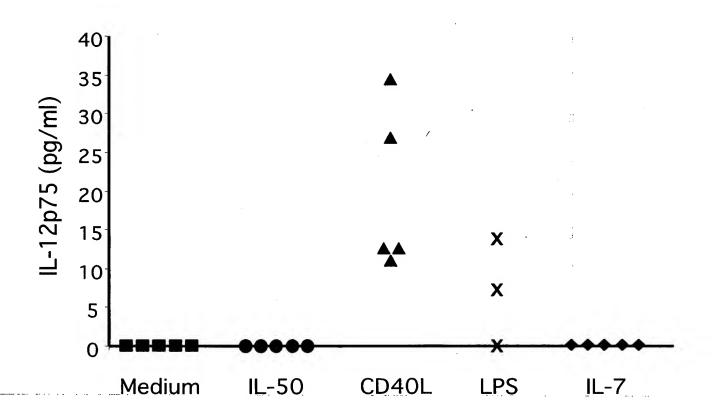


FIG. 13